STARR et al. -- Appln. No.: Not Yet Assigned (CON. of U.S. Appln. No. 10/172,271)

Please cancel the paragraphs beginning at page 20, line 9, and page 20, line 15, in their entirety as follows:

Fig. 6 illustrates that a second drop in the patient's arterial oxygen saturation will occur at time x due to the recirculation of the relatively oxygen poor blood. If this second drop, which is represented by area B2, is minimal, it can be ignored for purposes of determining the time period t0 to td. Thus, the time period t0 to td2 associated with areas B1 and B2 are used to solve equation (21).

However, if this second drop is not minimal, the time period t0 to td1 associated with area B1 alone is used for solving equation (21). The location of time td1 is determined using any conventional extrapolation technique. Of course, the present invention contemplates using suitable programming or other means for deciding when the effect of recirculation, and, hence the size of area B2 is above the predetermined minimal threshold and must be accounted for in solving equation (21).

Please replace the Section title at page 21, line 1, with the following rewritten title.

B. Technique 2 for- Calculating Cardiac Output-Based on the Slopes of the Curves

Please cancel the paragraph beginning at page 17, line 17, in its entirety as follows:

Figs. 7 and 8, like Figs. 3 and 4, illustrate the changes in the patient's oxygen uptake and arterial oxygen saturation, respectively, resulting from the oxygen concentration